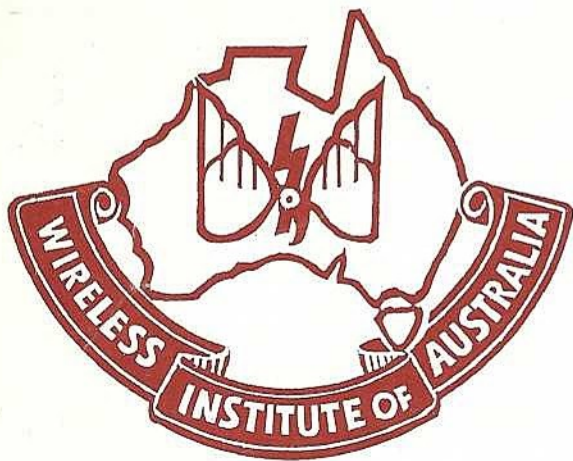
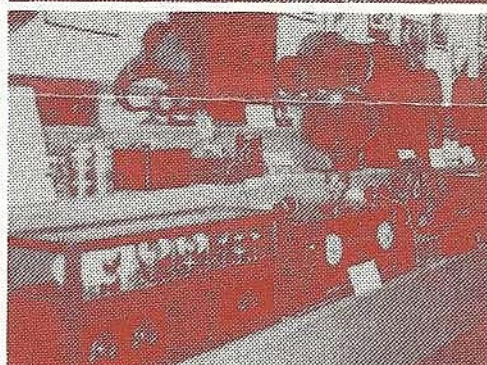
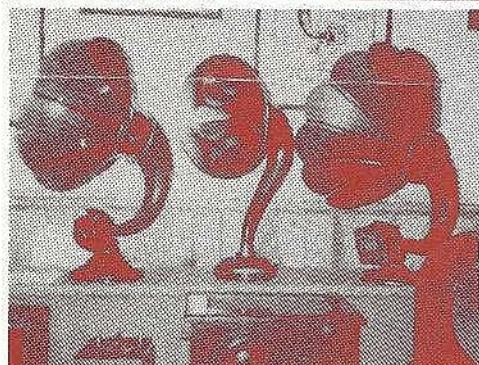
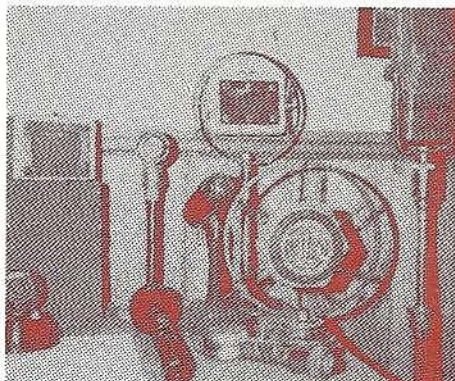


9/0701 July 1991



B·A·R·G NEWS

19/7/91



© Monthly Newsletter of the
Ballarat Amateur Radio Group

91/0702

BALLARAT AMATEUR RADIO GROUP INCORPORATED

OFFICERS 1990-1991

EXECUTIVE COMMITTEE

President:	IAN McDONALD	VK3AXH		311317
Imm. Past President:	GORDON CORNELL	VK3KGC	392427	391135
Vice President:	TOM GEORGE	VK3TOM	355662	327234
Secretary:	JIM WRIGHT	VK3CFB	327563	
Treasurer:	HARRY HEKKEMA	VK3KGL	357563	391001
Asst. Secretary:	GEORGE FOWLER	VK3DOK	326863	391954
Publicity Officer:	JOHN HAZELDINE	VK3CFH	391971	391035
Education Officer:	IAN McDONALD	VK3AXH		311317
Net Co-ordinator:	CHARLIE STEWART	VK3DCS	317425	
Technical Officer	DICK ANTOSIEWICZ	VK3AEX	323273	321818
Memb. Representative:	MARY CURNOW	VK3NMC	301927	
	REG CARTER	VK3CAZ		

OFFICERS AND COMMITTEES

Q.S.L. Manager:	JEFF PIGDON	VK3PAP	327041	311211
Awards Manager:	MAURIE BALL	VK3XEX	422245	
Property Officer:	DICK ANTOSIEWICZ	VK3AEX	323273	381818
Hamfest Convenor:	KEVIN HUGHES	VK3WN	355011	
WICEN Committee:	GORDON CORNELL	VK3KGC	392487	391135
	TOM GEORGE	VK3TOM	355662	327234
	GEOFF SMITH	VK3ADB	332112	321719
Technical Committee:	MERV HOOLEY	VK3KAW		311317
	IAN McDONALD	VK3AXH		311317
	DICK FORRESTER	VK3VU	357663	391001
	DAVID McCONNELL	VK3YNB		
Newsletter Editors:	BOB TERRILL	VK3BNC	395317	391001
	HARRY HEKKEMA	VK3KGL	357563	391001

Repeaters: VK3RBA – 146.750 Voice. Mt. Buninyong (ch. 3)
 VK3RBS – 146.900 Voice. Smeaton Hill (ch. 6)
 VK3RPC – 147.575 Packet. Mt. Warrenheip

Club Net: ON 3.5610 Mhz. SSB +/- QRM
 Every Thursday at 8 p.m.

B.A.R.G. meets on the **LAST FRIDAY** in every month except December at the Ballarat Education Centre, Hopetoun St., Ballarat at 7.30 p.m.

Committee meetings are held at the Education Centre on the Wednesday two weeks prior to the Club meeting at 7.30 p.m. Executive committee members are expected to attend and any club member with business for discussion is welcome.

All correspondence to: The Secretary, BARG Inc., P.O. Box 216E, Ballarat East, 3350.

Applications for Awards to: Maurie Batt, RSD, Rokewood Junction, 3351.



CNR. RING RD. & WESTERN HWY BALLARAT
 (OPEN 10AM - 5 PM 7 DAYS A WEEK)

FEATURES

- GRAMOPHONES • VINTAGE RADIOS • VISITORS PARTICIPATION
- MEMORABILIA • AUDIO DISPLAYS • DEMONSTRATIONS • CRYSTAL SETS

The "Orpheus Radio Museum" is operated by Richard and Sonja Wilson.
 The collection includes their private collection, the 3BA collection and other items on loan to the museum.
 The museum is run with the idea of preserving the history of radio in Australia and making it accessible to the public.
 If anyone has any information or items of interest to the museum, would they please contact, or write to, the "Orpheus Radio Museum" RSD B98, Ballarat 3352. Telephone (053) 34 2513.
 Let the public enjoy your piece of Radio History.

MINUTES OF GENERAL MEETING HELD 28th JUNE 1991.

91/07 03

- MEETING OPENED by President Ian AXH at 7.50pm with a good attendance of members and guests present. (forgot to count how many)
- APOLOGIES VK3 SE, LDC, FMC, KGC, DS, IBM, NIZ, KIT, CUH.
- CORRESPONDENCE IN Mr. J. Mikkelsen YJM with donation of \$200 for RPC.
WIA Vic Division re cessation of exams after August.
- TREASURERS REPORT General a/c \$15.50. VS&L a/c \$2094.70.
Accounts for \$330.52 passed for payment. KGL/DMK.
- QSL MANAGER Jeff PAP reported no cards in or out.
- CLUB NET Charley DCS will be starting net at 8.00pm in future. 3.610mhz.
- NEWSLETTER Any articles for publication would be really appreciated.
- EDUCATION The Novice course is now completed and David thanked all those concerned, on behalf of the appreciative students.
- TECHNICAL REPORT submitted by Dick AEX.
RBA, RBS and RPC all running well at present.
RBU is running under test at Dicks QTH and the new antenna has arrived. Owing to major works being carried out at MT. Hollowback this repeater cannot be installed until January 1992 so it will remain at test site until then.
Ben Nevis. No word at this stage from VTAC or GTV9
- GENERAL BUSINESS Moved BNC seconded DMK that the draft rules for Club Foxhunts be accepted using the second alternative in paragraph 4 i.e. Four Starters; points will be 4;3;2;1. Carr
Resolved that the Ladies appreciation dinner will be held on 17th July, 7.00pm at Western Hotel.
The Hamvention Committee is looking for a larger venue for this years Hamvention, any suggestions would be welcome.
A committee was formed to assist Kevin WN who has done a fantastic job over the last 9 years.
Jeff PAP reported on the Scout Jamboree to be held on 10th of January and it is hoped that Club stations will be operated from Victoria Park and Mt. Beckworth.
- MEETING CLOSED at 9.00pm.

73s Jim CFB.

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MINUTES OF B.A.R.G. ANNUAL GENERAL MEETING HELD 29th JUNE 1990.

- MEETING OPENED by President Gordon VK3 KGC at 7.45pm with 34 members and visitors in attendance.
- APOLOGIES VK3- DS, TI, XEX, CUH, KIT, DOK.
- MINUTES of A.G.M. held June 30th 1989 were read and confirmed. ADB/TOM
- ANNUAL REPORT as circulated was adopted. KGC/AAP
- FINANCIAL REPORT as presented by treasurer Harry KGL adopted. KGL/TAC
- ELECTION OF OFFICERS 1990-91. President Gordon declared all Club offices vacant and proceeded to call for nominations. At the conclusion of the election of Officers Immediate Past President Gordon thanked Club Members for their support and presented the gavel to incoming President IAN VK3 AXH who proceeded with the General Meeting.

91/07 04

P R E S I D E N T S A N N U A L R E P O R T

Well it's that time of the year when a new look committee is introduced to run the clubs affairs for the next twelve months. I can honestly say its been most rewarding to have had the opportunity as President of this fine club over the past year. Many of us are often daunted by the thought of being involved at committee level, but when you are in there participating its a lot of fun.

This year seems to have flown and I wondered what had been achieved during my stint as President. Apart from the regular annual events such as the Convention and Junk sale we have readily accepted the 2 metre scramble and foxhunts as regular activities. In addition our visit to the Aircraft Simulator, the Lal Lal field day, as well as the Novice course I am very satisfied with our achievements. I should also mention repairs to the 432Mhz beacon, update of the packet repeater and the new 70cm repeater which are all now going well.

You will be pleased to know that this years Novice course has produced the best results ever. All participants that sat for July 2nd Novice theory obtained a pass and a high percentage passed Morse and Regulations as well.

Congratulations must go to 15 year old Daniel Bradby VK3LDB and Gordon Cornell now VK3FGC for their success together with out of town candidate Reg Brownjohn (Charlton) who can get his limited ticket.

Thankyou to all who have assisted me over the past year and I wish the incoming committee the same support and success in the coming year.

Best 73's Ian VK3AXH

A N N U A L T W O M E T R E S C R A M B L E A W A R D

VK3DCS Charlie	284	points
VK3KGC Gordon (now VK3FGC)	266	"
VK3AXH Ian	164	"
VK3TOM Tom (now VK3DMK)	155	"
VK3DOK George	152	"
VK3XOA Ron (now VK3ZHH)	138	"
VK3YMW Max	81	"
VK3CIS Ian	75	"
VK3KGL Harry	57	"
VK3CCB Cliff	51	"
VK3JAT Ian	42	"
VK3PAP Jeff	24	"

C O N G R A T U L A T I O N S -- C H A R L I E VK3DCS

9/1/07 05

FOR SALE
by TENDER.

The following surplus B.A.R.G equipment is offered for sale to the highest tender over \$100. B.A.R.G members will be given first option if there are two or more equal tenders. The Secretary of B.A.R.G retains the right to accept or refuse any tender.

Tenders close on the LAST FRIDAY (30.8.1991) in August at 9.00PM. All tenders should be sent to: The Secretary, B.A.R.G Inc. Box 216E Ballarat East, 3350 by the closing date.

Equipment comprises

One Philips FM 1680 C/10N 10 Watt solid state VHF transceiver. This transceiver has been aligned to run on 147.575 Mhz and is in working condition with crystals and modifications to suit packet radio operation.

One VADCG TNC+ Terminal Node Controller complete with modem card. The TNC consists of.. 8085A processor, 8250 UART, 8255 PPI and 8273 HDLC chip and uses a single power supply of 12 volts DC. The RAM/ROM configuration can consist of 64k using up to 4 by 2764 EPROMs and 4 by 6264 RAM chips. The standard configuration is 1 by 2764 EPROM with 7 by 6264 RAM chips; this is the current TNC configuration. The software supplied will be AX25 Level 2. The TNC has battery backup of software and parameters. The Communication port is full standard RS232C using a DB25 socket, the baudrate etc is fully user selectable. The Modem card uses the AMD7910 chip for VHF and HF operation and is fully powered from the TNC board.

The TNC and MODEM are housed in a case about 380mm wide 75mm high and 300mm deep. Both the units come with complete manuals and cct diagrams.

There is optional software for KISS mode with the G8BPQ software switch package and also firmware which will turn the unit into a digital repeater (NOT supplied).

For technical information contact ... Merv. VK3KAW

FOR SALE ...

1. H.F. station comprising..
TS 520S transceiver with DC option.
VFO 520 VFO
SP 520 speaker.
SM 220 with BS5 Station Monitor & Panadaptor
AT 200 ATU, Power meter, VSWR & ANT switch.
DG 5 Dig display / Freq counter. Dry joints on PCB.
\$1000.00 (Will NOT seporate) All in 1st class condition
2. Converted CB set on 10 Mx .. 24 channel
Sideband Electronics type SE 501 complete
with mic and handbook. Works well.
\$75.00
3. 4 Element wide spaced 15 Mx beam complete with
2kw balun. Works well.
\$100.00
4. 5 Element wide spaced 10 mx beam complete with
2kw balun. Works well.
\$100.00

ALL prices are Negotiable. VK3KAW 053 311317 B.H.

9/1/07 06

Mt Isa
22/6/91

To Members of the Ballarat Amateur Radio Group

1973-74 Christmas I drove through the top end with my family, it had floods that took everything in it's path.

Seventeen years later, I passed through the top end again, it is washed out with the worst floods in seventeen years.

My trip is well known to most of you, as my radio has kept us in contact, for this I thank you.

We have passed through some of the most beautiful country on Cape York that you would find anywhere, from plains covered with ant hills and paper bark trees, plains covered with tall grassed open woodland, and the odd water hole with water lily, moss, fern, Brolga's, brown Goshawk, blue winged Kookaburra, doves and the most pretty parrots you could ever wish to see.

The slopes and hill tops with a spattering of snappy gum, brittle gum, Grevillea, Acacia, native Gardenia and of course Spinifex (makes your bare legs itch). Some area's covered with native grass over a meter high. But you are reminded all the time of the violence of floods, they have turned the slopes and low country to bits, picking up hughes trees and sweeping them aside and stacking them like match sticks. The roads washed so deep in places, you can park the cruiser and walk under and do an oil change and grease.

The wet season rainfall can be described as unreliable, mainly in the form of short, but sometimes violent storms.

I wish that I could put into words the way I feel when watching the sun rise over the vast area's of Cape York and the Gulf region, or to stand at a camp site of Burke and Wills and close your eyes and listen to the sounds of the real outback, to smell all the new smells so foreign to the Ballarat district.

These men had real guts, to walk this wild and rough terrene.

The roads at this time of the year are not real good, and in many washed out area's we have had to drag the caravan like a sledge through washouts. As a station owner said to me, it is the wrong time to travel the top with roads all washed out, but you see it's raw beauty this way. I must admit, he is right, as I think good bush driving is about one part competence and three parts common sense.

The main dangers are washouts, and blind corners. No matter how good the track, you must always be on the lookout for washouts. I have not passed another traveler (going the same way as myself) in 10.000 km. But I have seen those who roared past me, with broken springs etc. and one Ford Maxi van (brand new) with the whole back end pulled out on a rough section of road.

If you like the challenging tracks of Victoria, then I'm sure you would just love the pristine wilderness of the top end, with it's raw beauty. You may suffer some car or van damage as we have, but I wouldn't change it, as the effort and costs have been well worth while.

To date we have completed over 10.000 klm's and used 2016 ltr's of petrol. Petrol has averaged 74.08 cents per ltr (that's cheaper than milk).

Thanks to all who have kept us company to date on 14.116 Mhz. through the travellers net 03.00 UTC, and at 10.00 UTC of an evening on 14.116 or 21.195 Mhz.

Yours in fellowship,
de VK3CCB,
Cliff and Helen.

9/1/07 07

Dear Editor,

Thank you for sending my article to the last BARG News. However, you (or the editor) did not use the last paragraph. Consequently, your Colac Correspondent looks a bit silly. So, I will send it to you once again. BTW, here is the last paragraph.

Oh well. So, if you are one of the lucky ones to contact these teenagers, please be generous in your goodwill and time.

Colac correspondent.

(Sorry, but that's how I received the letter! I thought it looked a bit "funny" at the end, but could'nt find anything suitable at the time to fit. Editor.)

BARG ANNUAL GENERAL MEETING will be held on Friday July 26th at the Ballarat Education Centre. 7.30pm.

#####

W.I.C.E.N. REPORT

1990-91 has been a more active year compared to the previous two years for WICEN in this region.

There have been a number of changes in the area due to some major changes to the Victorian DISPLAN. The old regions numbers 1, 15 & 16 have been replaced with "M" district divided into M1 & M2 subdistricts. This is in line with the Police Districts and extends from just west of Bacchus Marsh in the east to the Victorian/South Australia border in the west and Lake Bolac in the south to north of Rainbow in the north. This has meant some major changes in state administration of WICEN but few, as yet in local areas.

It is pleasing to report that there are 28 registered WICEN operators in the district and a number of others who have indicated interest.

The major activities for the year have been the Gearcheck at Lake Burumbeet, the Begonia Car Rally, Courier Fun-Run, and two members going to the Mallee Rally in June.

The major construction project is the fitting of antennas to the DISPLAN control room at D24. This project is progressing slowly due to bureaucratic delays. Permission has been given orally but it takes longer for the written word to arrive.

As Government funding for disaster agencies such as police, SES, CFA, becomes more scarce, it is more than likely that such voluntary organizations as WICEN will be called upon to provide more assistance in the future, so keep up the practice.

Gordon VK3FGC

91/07 08

THE SOUNDS of PACKET RADIO.

For the high school course in Information Technology, students are required to study two types of software each semester and then present a folio of five pieces of work in each. Six of my students have chosen Telecommunications (packet) as one of their software types. It is now semester break, but two of the Year 11 girls (age 16) were so keen they visited me for the purpose of studying packet. I set up two computers and rigs and away they went.

They used the school callsign and mine. They left messages on the PMS'ses of the handful of ops who have it here in the Western District. There happened to be a pass for Mir. I asked the girls if they wanted to connect. "OK, we'll give it a go", they said.

Shock turned to horror when they heard the CBell go off and saw that they were indeed connected to U5MIR-1! "What now?" they said. I gave directions on how to upload one file I had already prepared.

"Well, would you like to send your own message?" Karen's face turned a pal.

Then Lyndall sat down. She, too, was shaking. As you might guess, signals failed at that moment. The S U5MIR sent by Lyndall was transmitted but no echo. Retry 2 and Retry 3.

"We lost him, didn't we?" they said. Panic. I moved the antennas and found the signal again. By now Lyndall was so filled with nervousness that she pressed Backspace more often than the regular keys. While she was trying to think of something to say, Karen was moaning loudly, "Sergey will think I am such a twit. Imagine writing about my father's cows!" Our librarian, who had accompanied the girls, tried to calm her down. At the same time I was having my own problems with Lyndall who had turned to stone because of fright.

Finally, finally, the /ex was sent and they logged off.

More pandemonium. Both girls talked incessantly and rapidly at the same time. They were ecstatic.

Our town is an hour from Geelong, so it took 90 minutes before the newspaper reporter and a photographer actually arrived. The girls had their photo taken and actually answered the reporter's questions about packet and MIR.

Then they each wrote a file (which I uploaded for them the next day) to Sergey and Anatoly.

So, 11 July 1991 at 0430 UTC will remain in their memory for the rest of their lives. There was so much tension in the shack during the pass.

When it was all over, the girls were so proud of themselves. None of this had been planned, you see.

They were raw beginners when it came to packet commands and procedures, but they managed all right.

Postscript: The cosmonauts gave me a call Sunday morning local time. They said they had read the messages from the kids and asked me to pass their greetings to them.

73 from Maggie - VK3CFI.

For Sale Kenwood TS600. 6M all mode transceiver. extra good condition.

Worked I9 countries from this CTH. VK3EX.

4x16 element KLM type antennas. "H" frame. 4 way power divider.

Phasing harness. All fitted with "N" type sockets and plugs.

A super array of 64 elements on 432MHz. \$400.00.

Hills windup tower, 40ft plus with all guys and turn buckles, very good condition.

91/07 09

For the benefit of new members in BARG, below are rules for the awards.

GOLD RUSH AWARD. Work IO members of BARG, Cost is \$3.00

DX WIDOWS AWARD. No contacts required, just the name of XYL or YL.
Cost is \$2.00.

WESTERN DISTRICT AWARD. Work IO stations in the Western District.

NOTE. As Ballarat is in the Western District by working IO Ballarat stations, club members or otherwise you qualify for the Award.
Cost is \$2.00.

Applications for all the above to:

Maurie Batt. VK3XEX.
RSD. Rokewood Junction.
Victoria. 3351.

History of BARG Awards programme.

The first Award issued by BARG was the Begonia Award. First award was Issued on June 1st 1978, Total of 250 awards were issued.

The DX WIDOWS AWARD. First award was issued on June 1st 1981. This Award has the distinction of being the the most popular award in Australia. 731 have been issued and about half have been sent to 28 overseas countries.

GOLD RUSH AWARD. First award issued on June 8th 1983 a total of 260 awards have been issued to date.

WESTERN DISTRICTS AWARD. First award issued on Dec 22nd 1981, 262 Awards have been issued to date.

After all costs for the awards have been paid, over \$2000.00 have been paid into the Club.

Credit of the artwork and design of the GOLDRUSH AWARD and the DX WIDOWS AWARD is to Henry Moritz, VK3DXC, now VK4DXC.

FOR SALE

ITEM 1.

A Six metre transverter....\$75
this unit is home brew and is driven from 28Mhz input. Driving power can be up to 5 watts. It is fitted with xtals to allow operation on both 50 and 52Mhz. Output power is 20 watts P.E.P.

ITEM 2.

A Two metre transverter....\$100
this unit is home brew and is driven from 28Mhz input. Driving power can be up to 5 watts. This unit is fitted with a coaxial relay in the output and delivers 25 watts P.E.P.

ITEM 3.

A Seventy centimetre transverter....\$225
this unit is a commercial transverter manufactured by MicroWave Modules (UK) and is driven from 28Mhz requiring 20-100mw drive for 10 watts P.E.P. output. Frequency of operation includes 432Mhz plus the Satellite frequency xtals. Handbook provided.

Contact Ian VK3AXH B.H. 311317

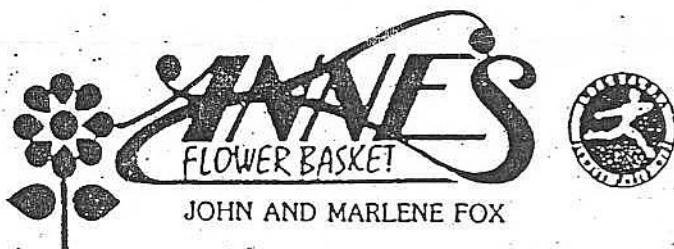
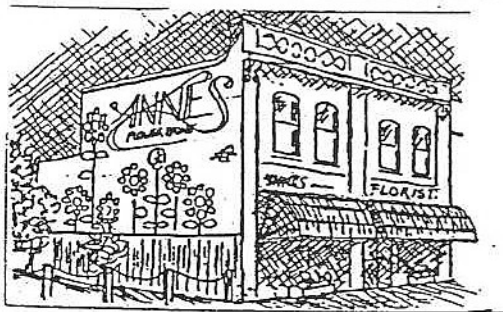
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